ECS/EMD Configuration Change Request

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1. Originator	2. Log Date:	3. CCR #:	4. Rev:	5. Tel:	6. Rm #:	7. Org.
Sarah Lewallen	5/5/04	04-0250	—	301-925-0865	3103A	COTS SW

8. CCR Title: Reconfigure the vol1 on g0spg10

9. Originator Signature/Date	10. Class	11. Type:	12. Need Date: 5/18/04
Sarah G. Lewallen /s/ 5/5/04	**II**	**CCR**	

13. CCR Sponsor Signature/Date	14. Category of Change:	15. Priority: (If "Emergency" fill in Block 27).
Pamela Johnson /s/ 5/5/04	Update ECS/EMD Baseline Doc	Routine

16. Documentation/Drawings Impacted *(Review and submit checklist):* 922-TDG-015	17. Schedule Impact: None	18. CI(s) Affected: SPRHW

19. Release Affected by this Change: N/A	20. Date due to Customer:	21. Estimated Cost: None - Under 100K

22. Source Reference: ☐NCR (attach)   ☐Action Item   ☐Tech Ref.   ☐GSFC   ☒Other:
NCR#40245

23. Problem: (use additional Sheets if necessary)
Poor file system response. The first LUN of the volume is hit more often then the entire volume. In large part this is because S4PM uses many small files on the /vol1.

24. Proposed Solution: (use additional sheets if necessary)
Reconfigure the volume to split small files from large files for S4P OPS.
Backup any data, unbind the 8 logical units (LU) of 4+1, rebind into 4 LUs of 8+1 and 1 LU of 3+1. Create an xlv stripe on the 4 LUs with a stripe_unit of 2048 for a 4m I/O. Mount this as /vol1. This will allow the same amount of disk space. On the 3+1 LU create an xlv with the 1 LU and mount as /vol3. This will be approximately 200 GB.

25. Alternate Solution: (use additional sheets if necessary)
None

26. Consequences if Change(s) are not approved: (use additional sheets if necessary)
Will continue to have hot spots on the first LU.

27. Justification for Emergency (If Block 15 is "Emergency"):

28. Site(s) Affected: ☐EDF ☐PVC ☐VATC ☐EDC ☒GSFC ☐LaRC ☐NSIDC ☐SMC ☐AK ☐JPL
☐EOC ☐IDG Test Cell ☐Other

29. Board Comments:	30. Work Assigned To:	31. CCR Closed Date:

32. SCDV CCB Chair (Sign/Date): **Byron V. Peters /s/ 5/6/04**	Disposition: Approved App/Com. Disapproved Withdraw Fwd/ESDIS ERB Fwd/ECS

33. EDF CCB Chair (Sign/Date):	Disposition: Approved App/Com. Disapproved Withdraw Fwd/ESDIS ERB Fwd/ECS

34. ECS CCB Chair (Sign/Date):	Disposition: Approved App/Com. Disapproved Withdraw Fwd/ESDIS ERB Fwd/ESDIS